2

Patent Application Docket #34648-00437USPT ERAL00010

## WHAT IS CLAIMED IS:

1	1. A combination switch in electronic communication with a telecommunications										
2	network, wherein the telecommunications network includes at least one frame of										
3	circuit-switched data and at least one packet of Internet Protocol data, comprising:										
4	a time slot switch for receiving the at least one frame of circuit-switched data;										
5	and										
6	a router for receiving the at least one packet of Internet Protocol data in										
7	electronic communication with the time slot switch.										
1	2. The combination switch of Claim 1, further comprising:										
2	at least one central processing unit in electronic communication with the time										
3	slot switch and the router.										

3. The combination switch of Claim 2, wherein the at least one central processing unit executes a network management protocol.

2

3

Patent Application Docket #34648-00437USPT ERAL00010

- The combination switch of Claim 2, wherein the time slot switch is implemented using at least one first digital signal processor in electronic communication with the at least one central processing unit.
  - 5. The combination switch of Claim 4, wherein the router is implemented using at least one second digital signal processor in electronic communication with the at least one central processing unit.

2

3

4

5

6

7

9

1

2

3

1

2

3

Patent Application Docket #34648-00437USPT ERAL00010

- 6. A routing-switching base station in electronic communication with a telecommunications network, wherein the telecommunications network includes at least one frame of circuit-switched data and at least one packet of Internet Protocol data, comprising:

  a combination time slot switch and Internet Protocol switch for receiving the at least one frame of circuit-switched data and the at least one packet of Internet Protocol data; and

  a plurality of transceivers, wherein each one of the plurality of transceivers is in electronic communication with the combination time slot switch and Internet Protocol switch.
- 7. The routing-switching base station of Claim 6, wherein at least one of the plurality of transceivers receives a selected portion of the at least one frame of circuit-switched data from the combination time slot switch and Internet Protocol switch.
- 8. The routing-switching base station of Claim 6, wherein at least one of the plurality of transceivers receives at least one packet of Internet Protocol data from the combination time slot switch and Internet Protocol switch.

Patent Application Docket #34648-00437USPT ERAL00010

1	9. The routing-switching base station of Claim 6, further comprising:										
2	at least one central processing unit in electronic communication with the										
3	combination time slot switch and Internet Protocol switch.										
1	The routing-switching base station of Claim 9, wherein the at least one central										
2	processing unit executes a network management protocol.										
1	The combination switch of Claim 9, wherein the combination time slot switch										
2	and Internet Protocol switch is implemented using at least one digital signal processor in										
3	electronic communication with the at least one central processing unit.										
1	12. The routing-switching base station of claim 6, wherein at least one of the										
2.	plurality of transceivers is a radio frequency transceiver.										

2

3

4

5

6

7

8

9

1

2

3

Patent Application Docket #34648-00437USPT ERAL00010

13. A routing-switching base station in electronic communication with a											
telecommunications network, wherein the telecommunications network includes at least one											
frame of circuit-switched data and at least one packet of Internet Protocol data, comprising:											
a time slot switch for receiving the at least one frame of circuit-switched data;											
a router in electronic communication with the time slot switch for receiving											
the at least one packet of Internet Protocol data; and											
a plurality of transceivers, wherein at least one of the plurality of transceivers											
is in electronic communication with the time slot switch, and wherein at least one of the											
plurality of transceivers is in electronic communication with the Internet Protocol switch.											
14. The routing-switching base station of Claim 13, wherein the at least one of the											

plurality of transceivers in electronic communication with the time slot switch receives a

selected portion of the at least one frame of circuit-switched data.

Patent Application Docket #34648-00437USPT ERAL00010

The routing-switching base station of Claim 13, wherein at least one of the 15. 1 plurality of transceivers in electronic communication with the router receives at least one 2 packet of Internet Protocol data. 3 The routing-switching base station of Claim 13, further comprising: 1 16. at least one central processing unit in electronic communication with the time 2 slot switch and the router. 3 The routing-switching base station of Claim 16, wherein the at least one 17. 1 central processing unit executes a network management protocol. 2 The routing-switching base station of Claim 13, wherein the time slot switch 18. 1 and the router are implemented using at least one digital signal processor in electronic 2 communication with the at least one central processing unit. 3 The routing-switching base station of Claim 13, wherein at least one of the 1 19.

plurality of transceivers is a radio frequency transceiver.

2

Patent Application Docket #34648-00437USPT ERAL00010

1	20.	A	routing	radio	base	station	in	electronic	communication	with	a	
2	telecommunic	atio	ns netwo	rk, whe	rein th	e telecor	nmu	inication net	work includes at	least or	ne	
3	packet of Internet Protocol data, comprising:											
4	a router for receiving the at least one packet of Internet Protocol data; and											
5	a plurality of transceivers, wherein each one of the plurality of transceivers is											
6	in electronic communication with the router.											
1	21.	Th	e routing	radio b	ase sta	tion of C	laim	20, wherein	at least one of the	pluralit	ty	
2	of transceivers receives at least one packet of Internet Protocol data from the router.											
1	22.	Th	e routing	radio l	base st	ation of	Clai	m 20, where	ein the at least or	ie centr	al	
2	processing ur	nit ex	ecutes a	networ	k mana	agement	pro	tocol.				
1	23.	Th	e routing	radio b	ase sta	tion of C	Claim	a 20, wherein	n the router is imp	lemente	èd	
2	using at least one digital signal processor in electronic communication with the at least one											

central processing unit.